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NRO and USAF review(s) completed.

Copy & or &

1 Movember 1963

MEMORANDUM FOR THE RECORD
SUBJECT: Conversation with Lockheed Aircraft Corporation (LAC), 25 October 1963
1. The undersigned briefed (LAC) on the anti-radar (AR) materials and techniques information accumulated during two trips; one to Maval Research Laboratories, Washington, D.C., and the other to Air Force Systems Command, WPAFB, Chio.
gere not new to him nor to LAC. The undersigned believes that the foregoing statement is plausible, in view of the strong limitations imposed upon AR by the lack of suitable materials.
corrosion of AR materials and titanium in the environment at altitude when subjected to electron bombardment at the time the undersigned visited him several months ago at LAC. The undersigned believes that this is an item of proper concern to all of us and that this is an item of proper concern to the time the several months.
briefed on the desirability of testing this corresion in the environmental chamber now being built
at 4. The undersigned will explore, at once, the
ways with which people can carry out this work at the earliest possible moment without interference with the primary purpose for which the chamber is being built.
of the "O" vehicle to lightning discharges because all- weather flights are soon upcoming. This is in line with

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the concern of the undersigned over the problem of	
neutralization of the "O" vehicle in connection with	
the operation of KEMPSTER. The undersigned made several important bibliographic references on lightning	
and electric charge neutralization available to	25X1
during his visit here.	
6. The undersigned will explore the potential	
of on his visit there 29-30 October 1963 to perform lightning vulnerability tests on scale sections	
of the rudder coated with AR material. The plan of	
attack on this problem will be:	
a. equipotential high-voltage profiles	
scale models in order to define more accurately	
the high field intensity regions and to explore possible neutralization of them.	
b. Specific damage potential of lightning	
strikes on such full-scale structures as the	
rudder covered with AR material and exploration	
of how possible damage can be prevented.	
c. Assessment of possible hazards by charge build-up on the "O" vehicle inherent in the operation of KEMPSTER. Seeking possible means of obviating possible hazards by charge neutralization.	
7. Kelly Johnson gave approval to	25X1
go shead in this area when he was here last Friday,	
and has requested that he be informed directly when	
has assessed their potential relative to the lightning problem.	
8. The undersigned understands that LAC would	
be entering into some contractual agreement with on the foregoing matter.	25X1
SIGNED	
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1 - EAD/OSA (thru ADD/S&T) OSA 2 - AD/OSA	
3 - CD/OSA	
4 - D/TECH/OSA	
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6 - RB/OSA OLUMEA,	